OOK

	Depth 6	Contents 7	Reference to last Measureme 8

First and Final Bill

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260040

Improvements to Approach Road to OWC and Bio plant in Singapura in ward No. 11 (Kuvempunagara).

From ..... To .....

Name of Contractor of nature of Agency Executive Engineer, KRIDL

Date of commencement of work .....

Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
Estimate cost:	Rs. 34.99 lakhs					
SOR code:	011-18-000036			P-3112		
Work order:	BBMP/EE/BTP/WO/145/17-18 Dt: 26-03-18.					
	ABSTRACT:					
1) Earthwork excavation by manual means in ordinary soil having an average horizontal throw upto 2m and an depth upto 1.5m as per Schedule E-Bill page no.					458.20 m³ @ Rs. 86.92/m³	39827=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2) Removing and refixing stone slabs & arches and pointing in CM (1:3)						
	Qty vide E. Bill page No. is					513.00 m²	41327.00
	@ Rs. 80.56/m²						
	3) Providing granite slabs of selected quality roughly dressed having a size of 10 cms thick and fixed in cement mortar (1:6)						
	Qty vide E. Bill page No. is					135.00 m²	111475.00
	@ Rs. 825.74/m²						
	4) Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kg with 40 mm						

pth 6	Contents 7	Reference to last Measureme 8
end poinly		
is	513·00 m²	41327·0
56/m²		
ongly dressed ment mortar		
is	135·00 m²	111475·00
74/m²		
t concrete & 40 mm		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260041

..... From..... To.....

Contractor of nature of Agency .....

Commencement of work .....

Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
	Number 3	Length 4	Breadth 5	Depth 6		
Qty vide E-Bill page No. in @Rs. 5159.02/m³					38.37 m³	197952·00
Providing and constructing granite/trap/ballast rise stone pitching in foundation with cement mortar 1:6 stone hammered dressed Qty vide E-Bill page No. in @Rs. 4438.22/m³					28.98 m³	128620·00
Providing and constructing granite/trap/ballast rise stone pitching in bellment with cement mortar 1:6 edges & stone chisel dide						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		Qty vide E-Bill page no.				10.13 m³	
				@Rs. 5305.30/m³			53743:00
7)	Providing ruled pointing to worked stone masonry with cement mortar 1:3 20 mm deep after raking joints to be deep & 20 mm						
		Qty vide E-Bill page no. in				55.80 m²	
				@Rs. 103.88/m²			5797:00
8)	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 2 bags with 20 mm nominal down size						
		Qty vide E-Bill page no:				5.13 m³	
				@Rs. 5762.46/m³			29587:00

	Contents 7	Reference to last Measureme 8
	10.13 m³	
	30/m³	53743:00
	alloy with	
	in 55.80 m²	
	8/m²	5797:00
	ut concrete	
	5.13 m³	
	1 m³	29587:00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260042

..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
	Number 3	Length 4	Breadth 5	Depth 6		
providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density						
					75.00 m²	74492:00
Only vide E-Bill page no. is @Rs. 993.22/m²						
providing 18 mm thick cement plaster in single coat with cement mortar 1:6 to brick masonry including rounding of corners wherever required smooth						
					160.00 m²	16621:00
Only vide E-Bill page no. is @Rs. 103.88/m²						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurem
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
11)	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give Qty vide E-Bill page no. is @Rs. 89.04/m²					160.00 m²	14246=00
12)	Providing and laying cement concrete upto 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for R.C.C works laid in 15 cms Qty vide E-Bill page no. is @Rs. 6231.74/m³					67.50 m²	420642=00
13)	Providing precast slab of 250 mm thick including cost of all materials labours, curing, transportation locally & unloading						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260043

..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
2	Number 3	Length 4	Breadth 5	Depth 6	7	8
	Qty vide E-Bill page no.				10.80 m²	
	@ Rs. 5125=00/m²					55350=00
providing and fixing M.S. gate as per chief Architect drawing fully 50 mm x 50 mm rectangle M.S. hollow pipe frame work with ornamental shape						
	Qty vide E-Bill page no. is				7.20 m²	
	@ Rs. 3110.00/m²					22392=00
Earthwork excavation in foundation trenches or drains in ordinary soil including dressing of sides and ramming of bottom, lifting and depositing the excavated earth on the bank of trench or drain, as directed, but not including the cost of timbering, planking and strutting, if any required, and the cost of pumping out water, if any, required to be pumped out, and the cost of disposal of surplus excavated earth, as directed, lead upto 50 m and lift upto 1.50 m.						
	Qty vide E-Bill page no. is				67.50 m³	
	@ Rs. 6208.00/m³					419040=00
Earthwork excavation in foundation trenches or drains in ordinary soil including dressing of sides and ramming of bottom, lifting and depositing the excavated earth on the bank of trench or drain, as directed, but not including the cost of timbering, planking and strutting, if any required, and the cost of pumping out water, if any, required to be pumped out, and the cost of disposal of surplus excavated earth, as directed, lead upto 50 m and lift upto 1.50 m.						
	Qty vide E-Bill page no. is				160.00 m³	
	@ Rs. 8904.00/m³					1424640=00
Providing and laying in position cement concrete of specified grade excluding the cost of centering, shuttering, finishing and reinforcement, but including the cost of all leads and lifts for all kinds of soils						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty vide I.E.-Bill page no. is @Rs. 26.50/m²					2304.50 m²	61069.00
16)	providing, laying, spreading and compacting crushed stone aggregates of granite (trap) bonded to wet mix macadam specification Qty vide I.E.-Bill page no. is @Rs. 1768.08/m³					576.13 m³	1018644
17)	providing and applying primer coat with S.S bitumen emulsion on prepared surface of granular base as work including cleaning Qty vide I.E.-Bill page no. is @Rs. 27.56/m²					2304.50 m²	63512.20

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Depth 6	Contents 7	Reference to last Measurement 8
.0. is	2304.00 m^2	61069=00
3.50/m^2		
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.0. is	576.13 m^3	101866
168.08/m^3		
s bitumen		
ete as work		
.0 is	2304.00 m^2	63512=00
.56/m		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260044

..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
providing and laying bituminous concrete 40mm thick with hot mix plant using crushed aggregates of specification finally premixed						
Qty vide E-Bill page No.				is	92.18 m^3	748367=00
			@Rs. 8118.54/m^3			
Lead for disposal of debris shall be payable at carriage rates by mechanical means including loading and unloading etc complete as per specification						
Qty vide E-Bill page No.				is	458.20 m^3	46967=00
			@Rs. 102.37/m^3			

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					Total	3150630=00	
	15/01/20		11%	KRIDL charges		346569=00	
				Grand Total		3497199=00	

Certificate:

Certified that the above works done in satisfactorily.

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

15/01/20

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97